FIG. 1A

DETERMINE A FIRST PROTOCOL USED ON A FIRST COMMUNICATION PATHWAY. 100

DETERMINE A SECOND PROTOCOL USED ON A SECOND COMMUNICATION PATHWAY. 103

CONFIGURE A FIRST INTERFACE DEVICE TO ACCEPT SIGNALS FROM AND SEND SIGNALS TO THE FIRST COMMUNICATION PATHWAY. 106

CONFIGURE A SECOND INTERFACE DEVICE TO ACCEPT SIGNALS FROM AND SEND SIGNALS TO THE SECOND COMMUNICATION PATHWAY. 109

TRANSMIT A FIRST SIGNAL ALONG THE FIRST COMMUNICATION PATHWAY TO THE FIRST INTERFACE DEVICE. 112

SEND A SECOND SIGNAL FROM THE FIRST INTERFACE DEVICE TO THE DATA STRUCTURE, THE SECOND SIGNAL CORRESPONDING TO THE FIRST SIGNAL. 115

To FIG. 1B

FIG. 1B

FROM FIG. 1A

CHANGE THE DATA STRUCTURE ACCORDING
TO THE SECOND SIGNAL.   118

SEND A THIRD SIGNAL FROM THE DATA
STRUCTURE TO THE SECOND INTERFACE
DEVICE, THE THIRD SIGNAL CORRESPONDING   121
TO THE CHANGED DATA STRUCTURE.

TRANSMIT A FOURTH SIGNAL FROM THE
SECOND INTERFACE DEVICE TO THE
SECOND COMMUNICATION PATHWAY, THE FOURTH   124
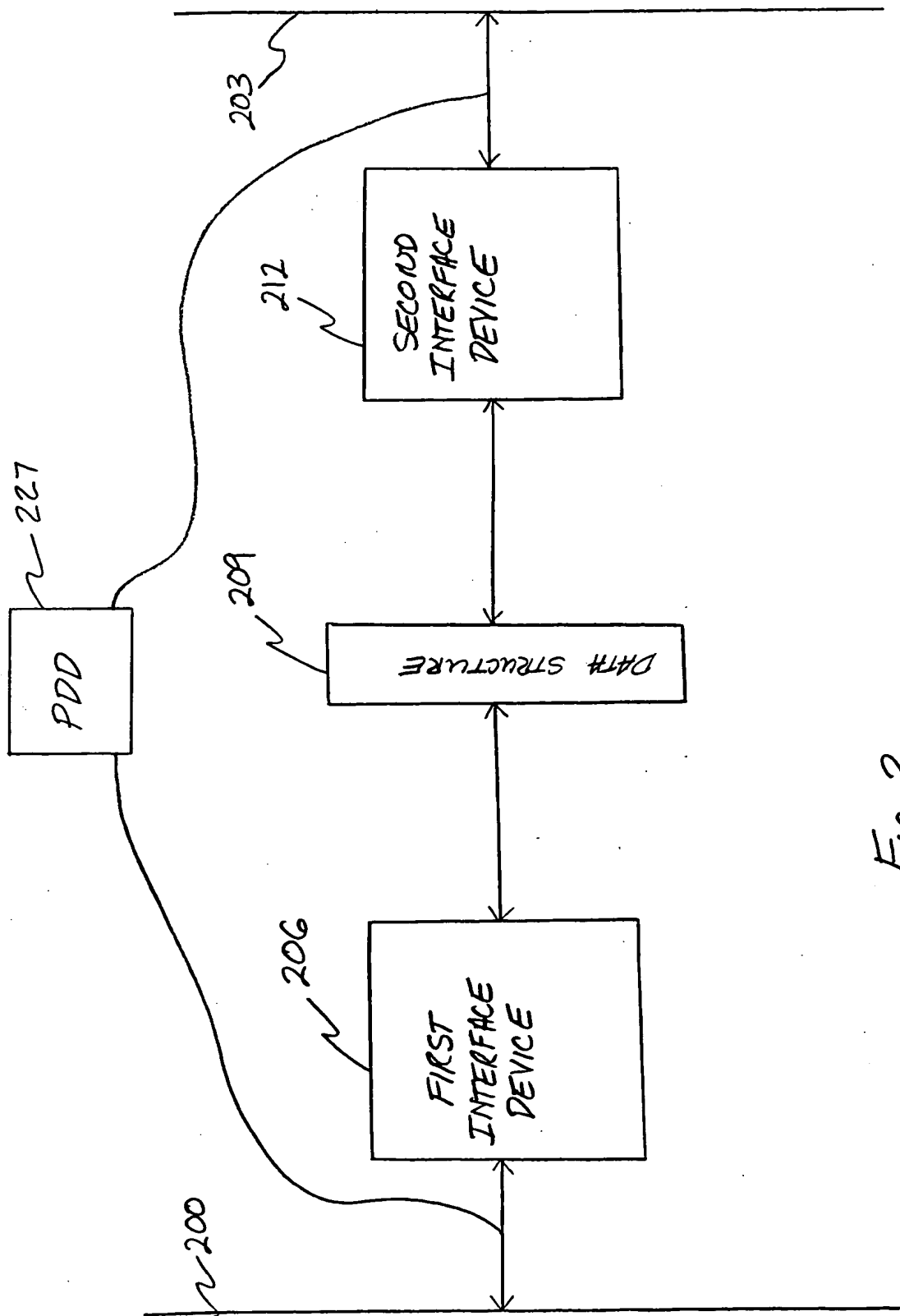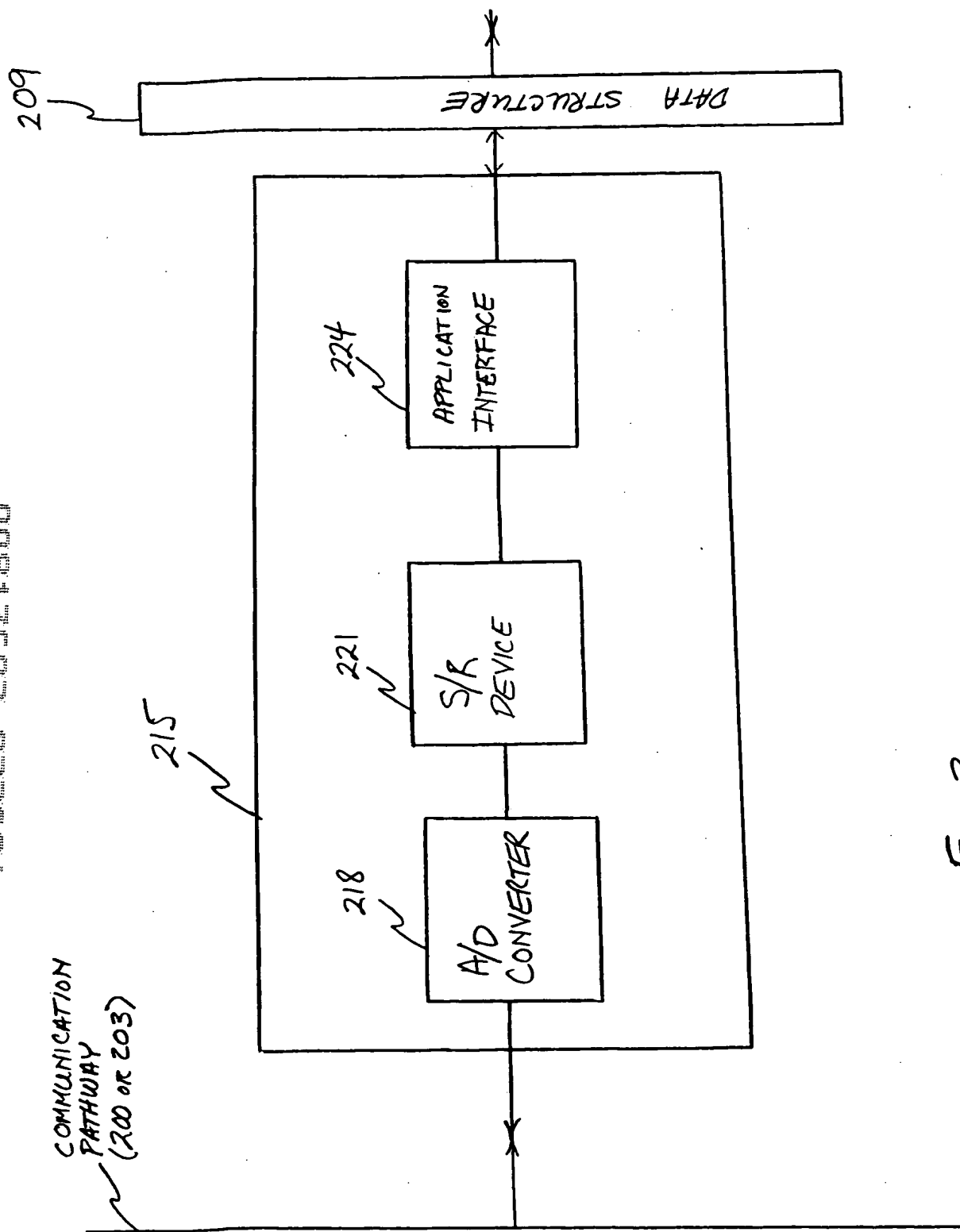SIGNAL CORRESPONDING TO THE THIRD SIGNAL.

Fig. 2

209

DATA STRUCTURE

COMMUNICATION
PATHWAY
(200 or 203)

215

218

A/D
CONVERTER

221

S/R
DEVICE

224

APPLICATION
INTERFACE

FIG. 3